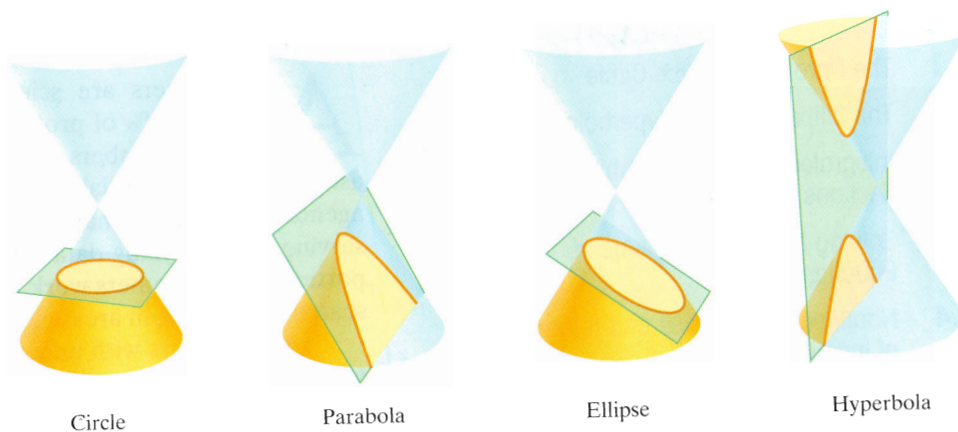


CONIC SECTION OVERVIEW

A CONIC SECTION (OR JUST A CONIC) IS FORMED BY “APPROPRIATELY” INTERSECTING A PLANE AND A DOUBLE-NAPPED CONE.

THE FOUR BASIC CONICS ARE THE CIRCLE, PARABOLA, ELLIPSE, AND THE HYPERBOLA, AS SHOWN BELOW.



IF THE PLANE PASSES THROUGH THE VERTEX OF THE CONES IN SUCH A WAY, A DEGENERATE CONIC IS FORMED, AS SHOWN BELOW. THE THREE DEGENERATE CONICS ARE THE POINT, THE LINE, AND TWO INTERSECTING LINES.

